

Discussion 5: Mutability

What are the values of the script variables x and y after the given script finishes running?

a.

```

script variables x y
set x to 123
set y to list 1 2 3
set x to six
set y to six
    
```

```

+set+ input +to+ six+
set input to 6
    
```

x: _____

y: _____

b.

```

script variables x y
set x to 123
set y to list 1 2 3
add six to x
add six to y
    
```

```

+add+ six+ to+ input +
if is input a list?
  add 6 to input
else
  change input by 6
    
```

x: _____

y: _____

Challenge: Errors Galore

The following questions are based off this block:

```

+square+ numbers+ in+ list : +
script variables new
set new to list
for i = 1 to length of new
  replace item i of list with item i of new x item i of new
    
```

a. When running this block, we get the following error: What caused this error, and how can we fix it?

```
square numbers in list 1 2
```

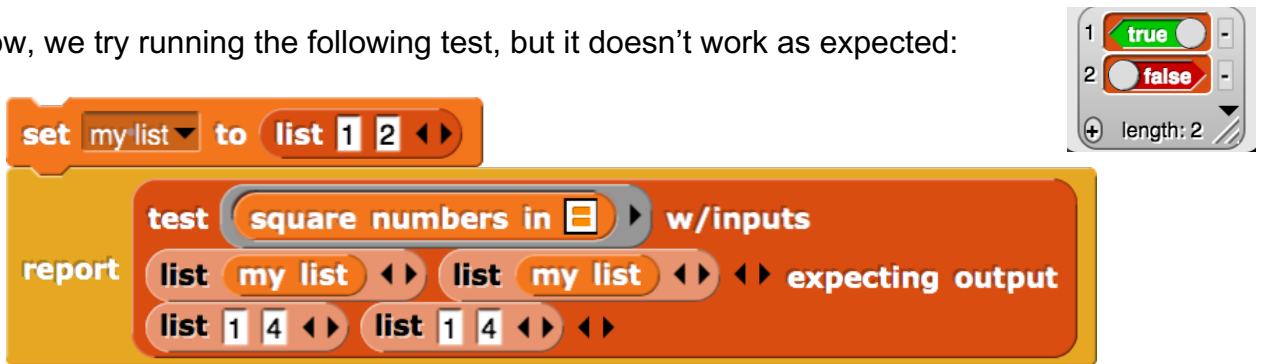
Inside: Error reporter didn't report

b. Now, that we've fixed it, we try to test our code, but we get another error:



How can we fix this?

c. Now, we try running the following test, but it doesn't work as expected:



Why does it report this, and how can we fix it?
